



Jobbnorge ID: 256881

Deadline: 4/2/2024

Website: <https://uit.no/startside>

Scope: Fulltime

Duration: Fixed Term

Faculty of Science and Technology

Postdoctoral Research Fellow in Mathematics

The position

A Postdoctoral Research Fellow position is available at the [Faculty of Science and Technology](#) from 01.05.2023. The workplace will be at UiT-The Arctic University of Norway, campus Tromsø, at the [Department of Mathematics and Statistics](#) and the position is attached to the research group in pure mathematics within this department.

The position is a fixed term position for a duration of three years. Appointment to the position of Postdoctoral Research Fellow is mainly intended to provide qualification for work in top academic positions. It is a prerequisite that the applicant can carry out the project over the full course of the employment period. No person may hold more than one fixed term position as a Postdoctoral Research Fellow at the same institution.

The position will additionally be assigned to teaching and related work for UiT in an amount equivalent to a maximum 25 % of a full-time employment.

You must be able to start in the position within a reasonable time after receiving the offer.

The position's affiliation

The Faculty of Science and Technology consists of the following departments: Department of Chemistry, Department of Computer Science, Department of Engineering and Safety, Department of Geology, Department of Mathematics and Statistics, and Department of Physics and Technology.

There are 19 permanent scientific positions at the department. At the moment there are 20 PhD positions and 8 post-doctoral positions at the department.

The position's field of research

The position will be attached to the [Lie-Størmer Center](#) for fundamental structures in computational and pure mathematics. The main focus of research will be around round mathematical structures that are fundamental for efficient computations, exploring symmetry, order and geometric structures. Research at LSC is exploring deep relationships between mathematical theory, and efficient computational algorithms represented in software. The research area of the successful candidate should integrate into the research themes of the Lie-Størmer Center, described on the webpage.

The applicant is asked to include a project proposal (max 5 pages). This proposal should draw connections to activities in the Lie-Størmer Center. The proposal must include a progress plan.

Contact

For further information about the position is available by contacting:

- Professor and Head of Department Martin Rypdal, email: martin.rypdal@uit.no
- Professor and Director of the Lie-Størmer Center Hans Munthe-Kaas, email: hans.munthe-kaas@uit.no
- Professor and Director of the Lie-Størmer Center Cordian Riener, email: cordian.riener@uit.no

Qualifications

This position requires a Norwegian doctoral degree (PhD) in the subject area concerned or a corresponding foreign doctoral degree recognized as equivalent to a Norwegian doctoral degree.

The successful candidate for this position will ideally have a background strong background in one or several of the following topics:

- Algorithmic (real) algebraic geometry,
- algebra and combinatorics,
- combinatorial optimization,
- algebraic statistics, complexity theory,
- geometric numerical integration,
- stochastic DEs and PDEs,
- rough paths and regularity structures,
- applied differential geometry,
- foundational aspects of computational mathematics
- and mathematical software.

However, we will consider any application that shows connections to the research themes at the Lie-Størmer Center.

Qualification with a PhD is required before commencement in the position. If you're at the final stages of your PhD, you may still apply if you have submitted your PhD thesis for doctoral degree evaluation within the application deadline. You must submit the thesis with your application. You must have dissertated before the start-up date of the position.

Fluency in English is required. Nordic applicants can document their capabilities by attaching their high school diploma.

In the assessment the main emphasis will be attached to the submitted works and the project proposal for the qualifying work. Emphasis shall also be attached to experience from popularization/dissemination and academic policy and administrative activity.

As teaching duties or equivalent work is attached to the position, emphasis will also be attached to teaching experience and qualifications. A trial lecture may also be held.

During the assessment emphasis will be put on the candidate's motivation, potential for research, and personal suitability for the position. We are looking for candidates who:

- Have good collaboration skills
- Have good communication and interaction with colleagues and students
- Wants to contribute to a good working environment

At UiT we put emphasis on the quality, relevance and significance of the research work and not on where the work is published, in accordance with the principles of The San Francisco Declaration on Research Assessment ([DORA](#)).

Inclusion and diversity

UiT The Arctic University i Norway is working actively to promote equality, gender balance and diversity among employees and students, and to create an inclusive and safe working environment. We believe that inclusion and diversity is a strength, and we want employees with different competencies, professional experience, life experience and perspectives.

If you have a disability, a gap in your CV or immigrant background, we encourage you to tick the box for this in your application. If there are qualified applicants, we invite least one in each group for an interview. If you get the job, we will adapt the working conditions if you need it. Apart from selecting the right candidates, we will only use the information for anonymous statistics.

We offer

- Involvement in an interesting research project
- Good career opportunities
- A good academic environment with dedicated colleagues
- Flexible working hours and a state collective pay agreement
- Pension scheme through the state pension fund

Norwegian health policy aims to ensure that everyone, irrespective of their personal finances and where they live, has access to good health and care services of equal standard. As an employee you will become member of the [National Insurance Scheme](#) which also include [health care services](#).

More practical information for working and living in Norway can be found here: <https://uit.no/staffmobility>

Application

Your application must include:

- Letter of application
- CV (containing a complete overview of education, supervised professional training and professional work)
- Diplomas and transcripts (all degrees)
- Description of research plans aligned to the Lie-Størmer Center (max 5 pages)
- Documentation of [English proficiency](#)
- Contact information to 2-3 references
- Letters of recommendation (can directly be sent to the institute)
- Documentation of teaching experience and qualifications, if applicable
- List of works and description of your academic production, stating which works you consider most important

The applicant may submit up to 5 works that are central to his/her production.

In addition, the applicant shall provide a description of his/her scientific production stating which works he/she considers the most important and shall therefore be the main emphasis of the assessment. A brief description of the other listed works shall also be included to demonstrate depth of production. These descriptions shall be an attachment to the application.

All documentation to be considered must be in a Scandinavian language or English. We only accept applications and documentation sent via Jobbnorge within the application deadline.

Assessment

The applicants will be assessed by an expert committee. The committee's mandate is to undertake an assessment of the applicants' qualifications based on the written material presented by the applicants, and the detailed description draw up for the position.

The applicants who are assessed as best qualified will be called to an interview. The interview should among other things, aim to clarify the applicant's motivation and personal suitability for the position. A trial lecture may also be held.

General information

The appointment is made in accordance with State regulations and guidelines at UiT. At our website, you will find [more information for applicants](#).

Questions concerning the organisation of the working environment, such as the physical state of the place of employment, health service, possibility for flexible working hours, part time, etc. may be directed to the telephone reference in this announcement.

The remuneration for Postdoctoral research fellow is in accordance with the State salary scale code 1352. A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund will be deducted. You will become a member of the Norwegian Public Service Pension Fund, which gives you many benefits in addition to a lifelong pension: You may be entitled to financial support if you become ill or disabled, your family may be entitled to financial support when you die, you become insured against occupational injury or occupational disease, and you can get good terms on a mortgage. Read more about your employee benefits at: spk.no.

The working hours shall mainly be utilized for research, research-related activities and research administration.

The successful candidate must be willing to get involved in the ongoing development of their department and the university as a whole.

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

Eallju - Developing the High North

UiT The Arctic University of Norway is a multi-campus comprehensive university at the international forefront. Our vision is to be a driving force for developing the High North. The Northern Sami notion eallju, which means eagerness to work, sets the tone for this motive power at UiT. Along with students, staff and the wider community, we aim to utilise our location in Northern Norway and Sápmi, our broad and diverse research and study portfolio and interdisciplinary advantage to shape the future.

Our social mission is to provide research-based education of high quality, perform artistic development and carry out research of the highest international quality standards in the entire range from basic to applied. We will convey knowledge about disciplines and contribute to innovation. Our social mission unites UiT across various studies, research fields and large geographical distances. This demands good cooperation with trade and industry and civil society as well as with international partners. We will strengthen knowledge-based and sustainable development at a regional, national and international level.

Academic freedom and scientific and ethical principles form the basis for all UiT's activities. Participation, co-determination, transparency and good processes will provide the decision-making basis we need to make wise and far-sighted priorities. Our students and staff will have the opportunity to develop their abilities and potential. Founded on academic integrity, we will be courageous, committed and generous in close contact with disciplines, people and contemporary developments.

We will demonstrate adaptability and seek good and purposeful utilisation of resources, so we are ready to meet the expectations and opportunities of the future. We will strengthen the quality and impact of our disciplines and core tasks through the following three strategic priority areas.

Additional information

Place of service:

Hansine Hansens veg18 9019 Tromsø (Tromsø - Romsa Municipality)